TOSHIBA
Leading Innovation

Toshiba LED lamps

Range 11/2014

E-CORE™
LED Lighting

Who else but Toshiba!

Why does everybody choose E-CORE LED Lighting?

Last year, hundreds of thousands of professionals and customers from the whole world chose our LEDs. How can we explain such a success? Let's ask them!

- Our LEDs last up to 60,000 hours without any maintenance
- Our LEDs use up to 80 % less energy than incandescent lamps
- Our LEDs withstand shock and vibration
- Our LEDs generate virtually no ultraviolet and no infra red
- Our LEDs can reduce CO2 emissions by 80 % compared to incandescent lamps
- Generate less heat thereby contributing towards lower air-conditioning costs
- A very wide range with many sizes and colours offering new creative opportunities

A very wide range for many different needs

With E-CORE LED Lighting, Toshiba wants to make as many people as possible benefit from its progress. For many years, our engineers worked altogether to develop our LED technology.

We are very demanding with ourselves in order to reach one goal: Answer all your lighting needs.

This catalogue is made for you.
Read it carefully: the future is under your eyes.

E-CORE LED Lighting

Lamps

LED - lighting for all moods

It is time to change because conventional incandescent lamps are a thing of the past. With the modern E-CORE LED lamps from Toshiba, you can create the atmosphere you want in the private and commercial sector - indoors and outdoors.

With all the advantages that LED lamps offer you:

- Very low energy consumption
- Extremely long life
- Low heat production
- Shock and vibration resistant

How do I compare traditional lamp using Lumens?

Using the table below, you can see the Lumen values to be reached by LED Lamps and their traditional equivalent (for non-directional lamps, as defined by EC244/2009):

Rated lamp luminous flux ϕ [lm]			Claimed equivalent incandescent lamp power
CFL	Halogen	LED and other lamps	
125	119	136	**15 W**
229	217	249	**25 W**
432	410	470	**40 W**
741	702	806	**60 W**
970	920	1,055	**75 W**
1,398	1,326	1,521	**100 W**
2,253	2,137	2,452	**150 W**
3,172	3,009	3,452	**200 W**

TOSHIBA
Leading Innovation

10–100 % DIMMABLE

E-CORE GLS WIDE 13W

With 1,060 lumen, Toshiba's design classic is way ahead from an aesthetic and performance perspective. As a lamp with an intense beam of the retrofit segment, it is the substitute for all fields of application of 75 W bulbs. Its broad reflected beam angle makes it the ideal light source even for large rooms – in brief: powerful, elegant and unbeatably efficient.

	COLOUR TEMPERATURE	LUMINOUS FLUX	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE									
LDAEU004C2710D	2700 K	1,060 lm	13 W	75 W	220-240 V	> 80	25,000 h	E27	A+

10–100 % DIMMABLE

E-CORE GLS WIDE 10,5W

The new version of the popular archetype offers light in a familiar shape. However, this is the perfect product to replace the very popular 60 W incandescent bulb. With 806 lm, a warm color temperature and a good dimming capability this lamp offers the most comfortable ambience at your place.

	COLOUR TEMPERATURE	LUMINOUS FLUX	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE									
LDAEU003C2710D	2700 K	806 lm	10.5 W	60 W	220-240 V	> 80	25,000 h	E27	A+

10–100 % DIMMABLE

E-CORE GLS WIDE 7W

Less is more. A real light source whose design combines efficiency with classically styling. However, its revolutionary inner workings marry minimal technology and the maximum angle of radiation perfectly. A light that can be seen.

	COLOUR TEMPERATURE	LUMINOUS FLUX	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE									
LDAEU007C2710D	2700 K	470 lm	7 W	40 W	220-240 V	> 80	25,000 h	E27	A+
LDAEU007C4010D	4000 K	500 lm	7 W		220-240 V	> 80	25,000 h		A+

10–100 % DIMMABLE

E-CORE SPHERICAL E27

The E-CORE SPHERICAL E27 combines compact shape and tremendous decorative specifications. Up to 470lm it will fit perfectly all your nice and small fittings.

	COLOUR TEMPERATURE	LUMINOUS FLUX	FINISH	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE										
LDG007D2710DEU	2700 K	270 lm	frosted	4.5 W	25 W	220-240 V	≥ 80	20,000 h	E27	A+
LDG009D2710DEU		250 lm	clear			220-240 V	≥ 80	20,000 h		A+
LDG011D2710DEU		470 lm	frosted	6 W	40 W	220-240 V	≥ 80	20,000 h		A+

10–100 % DIMMABLE

E-CORE CANDLE

With its facetted crystal optics, this candle is a real head-turner. With exceptional light distribution and smooth dimming, this light is the magic every chandelier needs.

	COLOUR TEMPERATURE	LUMINOUS FLUX	FINISH	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE										
LDC004D2760DEU	2700 K	270 lm	frosted	4.5 W	25 W	220-240 V	≥ 80	20,000 h	E14	A+
LDC005D2760DEU		250 lm	clear			220-240 V	≥ 80	20,000 h		A+
LDC006D2760DEU		470 lm	frosted	6 W	40 W	220-240 V	≥ 80	20,000 h		A+

10–100 % DIMMABLE

E-CORE SPHERICAL E14

This is what the master of directed accent lighting looks like: dimmable and compact in size, the ideal light source for ambient lighting.

	COLOUR TEMPERATURE	LUMINOUS FLUX	FINISH	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE										
LDG006D2760DEU	2700 K	270 lm	frosted	4.5 W	25 W	220-240 V	≥ 80	20,000 h	E14	A+
LDG008D2760DEU		250 lm	clear			220-240 V	≥ 80	20,000 h		A+
LDG010D2760DEU		470 lm	frosted	6 W	40 W	220-240 V	≥ 80	20,000 h		A+

E-CORE HIGH LUMEN TUBE

E-CORE HIGH LUMEN TUBE is your best partner for tube relamping project in any high ceiling applications. Thanks to its high lumen output and its incredible efficiency it enables to save a big amount of energy without compromising on light level and quality.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	SIZE (mm)	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE / COOL WHITE									
LDL002D3074-EU	3000 K	2,160 lm	160°	23 W	220-240 V	> 80	40,000 h	1,198	A+
LDL002D3075-EU		2,700 lm	160°	24 W	220-240 V	> 80	40,000 h	1,498	A+
LDL002D4074-EU	4000 K	2,400 lm	160°	23 W	220-240 V	> 80	40,000 h	1,198	A+
LDL002D4075-EU		3,000 lm	160°	24 W	220-240 V	> 80	40,000 h	1,498	A++
LDL002D6574-EU	6500 K	2,400 lm	160°	23 W	220-240 V	> 80	40,000 h	1,198	A+
LDL002D6575-EU		3,000 lm	160°	24 W	220-240 V	> 80	40,000 h	1,498	A++

LED TUBE

The LED TUBE lets you perfectly light up large rooms and offices. It will ensure bright light and a low consumption of energy. It is available either in neutral white or cold white, in 800 to 2,300 lm.

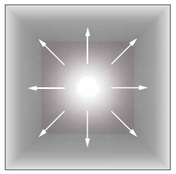
	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	SIZE (mm)	ENERGY LABEL
NEUTRAL WHITE / COOL WHITE									
LDL003D4072EU	4000 K	800 lm	150°	9 W	220-240 V	> 80	40,000 h	604	A+
LDL003D4074EU		1,700 lm	150°	18 W	220-240 V	> 80	40,000 h	1,213	A+
LDL003D4075EU		2,100 lm	150°	23 W	220-240 V	> 80	40,000 h	1,513	A+
LDL003D6572EU	6500 K	900 lm	150°	9 W	220-240 V	> 80	40,000 h	604	A+
LDL003D6574EU		1,800 lm	150°	18 W	220-240 V	> 80	40,000 h	1,213	A+
LDL003D6575EU		2,300 lm	150°	23 W	220-240 V	> 80	40,000 h	1,513	A+

GLOSSARY

Basic Photometric Units

There are several photometric base quantities in the definition of light sources, which characterise different qualities.

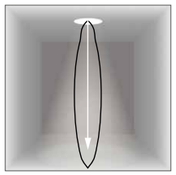
LUMINOUS FLUX (Phi/lm)



Luminous flux ϕ in lm (Lumen)

The total radiating power emitted by a light source, which the eye perceives as light.

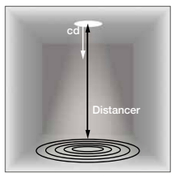
LUMINOUS INTENSITY (I/cd)



Luminous intensity I in cd (candela)

The luminous flux of a light source per solid angle. With the same luminous flux, the light intensity increases the more the light source focuses the light.

LUMINANCE (E/lx)



Luminance E in lx (Lux)

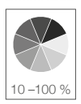
A measure of lighting power per lit surface. A minimum luminance is specified for many visual tasks and must be considered in the planning of the visual task and choice of light source.

Colour Rendering Index Ra

Colour Rendering Index (CRI) is a measure of how well a light source is able to accurately reproduce colours of objects being lit respective to the colour temperature (CCT) of the light source. The higher the colour rendering index, the more naturally the colours of an object are reproduced and therefore perceived by the observer. The sun has the highest CRI of 100. Most artificial light source are below that. The colour rendering index is determined using 8 standardised test colour references.

Dimmability by trailing edge phase control

DIMMABLE



Pack Omni, Pack Accent and E-Core 1100 and 1600 luminaires can be dimmed very easily using trailing edge phase control. The advantage of trailing edge phase control compared with circuits in which the voltage is controlled by a resistance is that they have a very low power loss and are widely used in existing installations. The main disadvantage of trailing edge phase control is the non-sinusoidal current profile. Because current and voltage do not have the same shape, so-called distortion reactive power occurs. Shifting the current backwards compared with the voltage curve has the same effect as an inductive load, which electricity supply companies can only tolerate at low power levels. Leading edge phase control is not recommended for Toshiba lamps. Because there is no general compatibility between all dimmers available on the market, Toshiba has provided a list of recommended dimmers on its website www.toshiba.eu/lighting.

Colour temperature (K Kelvin)

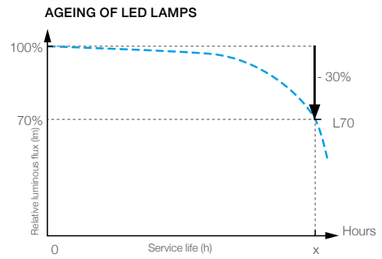
Colour temperature is a measure of the colour effect of a light source. Colour temperature is defined as the temperature of a black body which belongs to a particular light colour of this emission source.
Typical colour temperatures for light sources are:

- below 3300 K = warm white, preferred for interior lighting
- 3300 K to 5300 K = neutral white, typical light colour for office, industrial and exterior lighting
- above 5300 K = cool light, especially common in exterior lighting.

L70 service life of LED light sources

LEDs are characterised by their excellent service life. Because LEDs hardly ever fail completely, the service life is defined as having an L70 value. Their useful life is considered to be over when the luminous flux has dropped to 70% of the initial luminous flux. After this time the LEDs age at a dramatically accelerated rate.
The service life of an LED light source is not set by the LEDs alone, the other electrical components and the thermal design are also a factor. Therefore the given service life varies from product to product.

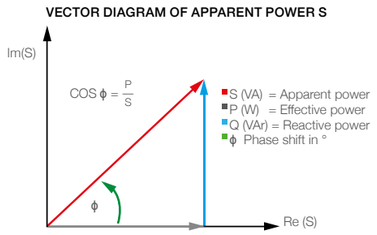
AGEING OF LED LAMPS



Performance factor λ = cos ϕ

The LED light sources need driver modules to operate which act capacitively from an electrical point of view. This leads to a phase shift between voltage and current consumption and consequently the apparent power S (given in Volt Amperes VA) has an effective power proportion P (Watts) and a reactive power Q (Volt Ampere reactive VAr). The relationship between effective power P and apparent power S is represented as the performance factor λ.

VECTOR DIAGRAM OF APPARENT POWER S



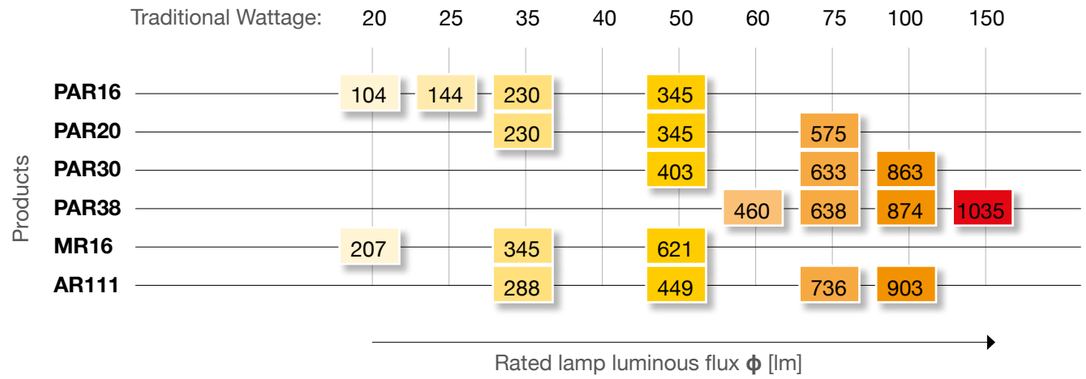
Reflector Lamps

The freedom to set the tone

Lighting offers so many possibilities for the illumination of spaces, scenes and objects. With the rich variety of our reflector lamps, you can set the tone you want.

Whether as a ceiling or wall spotlight - Toshiba reflector lamps are available with various beam angles at the desired lighting levels and with plug-in or bayonet plugs. Just as you please.

Equivalence table for directional lamps (EU N° 1194/2012)



The consumer will have to get used to working with different units - lumens instead of Watts - the EU Directive will make a considerable contribution to the ecological protection of our environment. We are pleased to be making this journey with you.

E-CORE LED Lighting

TOSHIBA
Leading Innovation

10–100% DIMMABLE

E-CORE PAR16 9W

These elegant mains voltage spotlights with robust GU10 base shine with their excellent energy-saving credentials and ease of use. Suitable for a multitude of uses, they can be dimmed to offer atmospheric lighting or daylight-brightness accents – even at considerable distance. That is in brief the best-in-class lumen and light quality in the GU10 world.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDRC0927MU1EUD2	2700 K	520 lm	25°	1,900 cd	9 W	50+ W	220-240 V	≥ 80	40,000 h	GU10	A
LDRC0927WU1EUD2			40°	950 cd							
LDRC0930MU1EUD2	3000 K	550 lm	25°	2,000 cd	9 W	50+ W	220-240 V	≥ 80	40,000 h	GU10	A
LDRC0930WU1EUD2			40°	1,000 cd							
LDRC0940MU1EUD2	4000 K	580 lm	25°	2,000 cd	9 W	50+ W	220-240 V	≥ 80	40,000 h	GU10	A+
LDRC0940WU1EUD2			40°	1,000 cd							

10–100% DIMMABLE

E-CORE PAR16 8W

The E-CORE PAR16 8W sets a new standard among LED GU10 lamps. Thanks to its compact size and the high lumen output, this lamp will enable tremendous energy savings and intense light in all kinds of applications.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDP006D27M40DEU	2700 K	460 lm	36°	1,000 cd	8 W	50+ W	220-240 V	≥ 80	25,000 h	GU10	A
LDP006D27W40DEU			60°	500 cd							
LDP006D30M40DEU	3000 K	460 lm	36°	1,000 cd	8 W	50+ W	220-240 V	≥ 80	25,000 h	GU10	A
LDP006D30W40DEU			60°	500 cd							
LDP006D40M40DEU	4000 K	460 lm	36°	1,000 cd	8 W	50+ W	220-240 V	≥ 80	25,000 h	GU10	A
LDP006D40W40DEU			60°	500 cd							

10–100% DIMMABLE

E-CORE PAR16 7W

The new E-CORE PAR16 7W is the perfect product to replace any 50W GU10 halogen lamp and saves up to 86% energy. The wide range that includes different beam angles and color temperatures will adapt to all the instalation requirements.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDP005D27M40DEU	2700 K	350 lm	36°	800 cd	7 W	50 W	220-240 V	≥ 80	25,000 h	GU10	A
LDP005D27W40DEU			60°	400 cd							
LDP005D30M40DEU	3000 K	350 lm	36°	800 cd	7 W	50 W	220-240 V	≥ 80	25,000 h	GU10	A
LDP005D30W40DEU			60°	400 cd							
LDP005D40M40DEU	4000 K	350 lm	36°	800 cd	7 W	50 W	220-240 V	≥ 80	25,000 h	GU10	A
LDP005D40W40DEU			60°	400 cd							

10–100% DIMMABLE

E-CORE PAR16 4,5W

The E-CORE PAR16 4,5W is here to replace the halogen GU10 lamps of 35W. On top of that the product is now dimmable to create nice and cosy ambiences.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDP004D27M40DEU	2700 K	230 lm	36°	500 cd	4.5 W	35 W	220-240 V	≥ 80	25,000 h		A+
LDP004D30M40DEU	3000 K	230 lm	36°	500 cd	4.5 W	35 W	220-240 V	≥ 80	25,000 h	GU10	A+
LDP004D40M40DEU	4000 K	230 lm	36°	500 cd	4.5 W	35 W	220-240 V	≥ 80	25,000 h		A+

10–100% DIMMABLE

E-CORE MR16 7,5W

The new E-CORE MR16 7,5W despite its compact size offers 450 lm. It combines brightness and energy savings. As dimmable and available in different beam angles (up to 60°) it will convert itself into your best partner for any relamping projects with GU5.3 lamps.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDM005A27M30DEU	2700 K	450 lm	36°	1,000 cd	7.5 W	35+ W	12 V	≥ 80	25,000 h	GU5.3	A
LDM005A27W30DEU			60°	500 cd							
LDM005A30M30DEU	3000 K	450 lm	36°	1,000 cd	7.5 W	35+ W	12 V	≥ 80	25,000 h	GU5.3	A
LDM005A30W30DEU			60°	500 cd							
LDM005A40M30DEU	4000 K	450 lm	36°	1,000 cd	7.5 W	35+ W	12 V	≥ 80	25,000 h	GU5.3	A
LDM005A40W30DEU			60°	500 cd							

10–100% DIMMABLE

E-CORE MR16 6,5W

The new E-CORE MR16 6,5W lamp reachs 350 lm. As dimmable, it will replace easily any 35W halogen GU5.3 lamp and enables you to save up to more than 80% energy.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDM004A27M30DEU	2700 K	350 lm	36°	800 cd	6.5 W	35 W	12 V	≥ 80	25,000 h		A
LDM004A30M30DEU	3000 K	350 lm	36°	800 cd	6.5 W	35 W	12 V	≥ 80	25,000 h	GU5.3	A
LDM004A40M30DEU	4000 K	350 lm	36°	800 cd	6.5 W	35 W	12 V	≥ 80	25,000 h		A

E-CORE MR16 5,2W

Thanks to the 40,000 hours that offers this lamp, it will suit any kinds of high maintenance application that include GU5.3 25 W halogen lamps.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDRA0527MU5EU3	2700 K	280 lm	25°	1,200 cd	5.2 W	25 W	12 V	> 80	40,000 h	GU5.3	A
LDRA0527WU5EU3			35°	650 cd							
LDRA0530MU5EU3	3000 K	290 lm	25°	1,250 cd	5.2 W	25 W	12 V	> 80	40,000 h	GU5.3	A
LDRA0530WU5EU3			35°	700 cd							
LDRA0540MU5EU3	4000 K	300 lm	25°	1,250 cd	5.2 W	25 W	12 V	> 80	40,000 h	GU5.3	A
LDRA0540WU5EU3			35°	700 cd							

10–100% DIMMABLE

E-CORE MR16 4,6W

The E-CORE MR16 4,6W is the perfect replacement for halogen GU5.3 20 W lamps. The different color temperatures will enable you to create the right lighting ambience your installation needs.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDM003A27M30DEU	2700 K	230 lm	36°	650 cd	4.6 W	20 W	12 V	≥ 80	25,000 h		A
LDM003A30M30DEU	3000 K	230 lm	36°	650 cd	4.6 W	20 W	12 V	≥ 80	25,000 h	GU5.3	A
LDM003A40M30DEU	4000 K	230 lm	36°	650 cd	4.6 W	20 W	12 V	≥ 80	25,000 h		A

E-CORE AR111 14,5W

Thanks to the light quality, the light intensity and the beam angle variety, this range is the ideal solution to replace AR111 halogen lamps. It will convert any space into the most appealing one.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDREU002A27NA0	2700 K	810 lm	8°	16,000 cd	14.5 W	75 W	12 V	80	40,000 h	G53	A
LDREU002A27MA0			24°	4,500 cd							
LDREU002A27WA0			40°	1,600 cd							
LDREU002A30NA0	3000 K	860 lm	8°	16,700 cd	14.5 W	75 W	12 V	80	40,000 h	G53	A
LDREU002A30MA0			24°	4,700 cd							
LDREU002A30WA0			40°	1,700 cd							
LDREU002A40NA0	4000 K	920 lm	8°	17,900 cd	14.5 W	75 W	12 V	80	40,000 h	G53	A
LDREU002A40MA0			24°	5,000 cd							
LDREU002A40WA0			40°	1,800 cd							

E-CORE AR111 10,5W

The AR111 pin-base lamps are in a class of their own in the low-voltage sector: pure luminosity for downlights, gimbal and catenary lights. Their potential for savings is also as eye catching as it is impressive.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDREU001A27MA0	2700 K	600 lm	24°	3,400 cd	10.5 W	50 W	12 V	80	40,000 h	G53	A
LDREU001A27WA0			40°	1,200 cd							
LDREU001A30MA0	3000 K	640 lm	24°	3,600 cd	10.5 W	50 W	12 V	80	40,000 h	G53	A
LDREU001A30WA0			40°	1,300 cd							
LDREU001A40MA0	4000 K	690 lm	24°	3,800 cd	10.5 W	50 W	12 V	80	40,000 h	G53	A
LDREU001A40WA0			40°	1,300 cd							

10–100 % DIMMABLE

E-CORE PAR38 18,8W

If you need even more light, then you can choose the E-CORE PAR38 18,8W. With 980 lm, its wide range of colour temperatures and a service life of up to 40,000 hours makes it a true all-rounder.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE / COOL WHITE											
LDRC1627ME7EUD2	2700 K	950 lm	25°	3,200 cd	18.8 W	100 W	220-240 V	> 80	40,000 h	E27	A
LDRC1627WE7EUD2			35°	1,650 cd							
LDRC1630ME7EUD2	3000 K	980 lm	25°	3,300 cd	18.8 W	100 W	220-240 V	> 80	40,000 h	E27	A
LDRC1630WE7EUD2			35°	1,700 cd							
LDRC1640ME7EUD2	4000 K	980 lm	25°	3,300 cd	18.8 W	100 W	220-240 V	> 80	40,000 h	E27	A
LDRC1640WE7EUD2			35°	1,700 cd							
LDRC1665ME7EUD2	6500 K	980 lm	25°	3,300 cd	18.8 W	100 W	220-240 V	> 80	40,000 h	E27	A
LDRC1665WE7EUD2			35°	1,700 cd							

10–100 % DIMMABLE

E-CORE PAR30 14W

It can be used in almost all areas: Since you will receive the E-CORE PAR30 14W in warm white, neutral white and cold white. It can be dimmed and equipped with an E27 screw base to work as a high-voltage reflector lamp.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE / COOL WHITE											
LDRC1327ME7EUD	2700 K	770 lm	23°	3,400 cd	14 W	75 W	220-240 V	> 80	40,000 h	E27	A
LDRC1327WE7EUD			32°	1,500 cd							
LDRC1330ME7EUD	3000 K	780 lm	23°	3,400 cd	14 W	75 W	220-240 V	> 80	40,000 h	E27	A
LDRC1330WE7EUD			32°	1,600 cd							
LDRC1340ME7EUD	4000 K	780 lm	23°	3,400 cd	14 W	75 W	220-240 V	> 80	40,000 h	E27	A
LDRC1340WE7EUD			32°	1,600 cd							
LDRC1365ME7EUD	6500 K	780 lm	23°	3,400 cd	14 W	75 W	220-240 V	> 65	40,000 h	E27	A
LDRC1365WE7EUD			32°	1,600 cd							

10–100 % DIMMABLE

E-CORE PAR20 9W

The E-CORE PAR range's performance class, beam distribution characteristics and light quality leave no lighting wish unanswered. With its high efficiency, it provides the suitable way in to contemporary room lighting.

	COLOUR TEMPERATURE	LUMINOUS FLUX	BEAM ANGLE	LUMINOUS INTENSITY	WATTAGE	EQUIV. WATTAGE	VOLTAGE 50/60 Hz	Ra (min)	LIFESPAN (L70)	BASE	ENERGY LABEL
WARM WHITE / NEUTRAL WHITE											
LDRC0927ME7EUD	2700 K	370 lm	25°	950 cd	9 W	50 W	220-240 V	> 80	40,000 h	E27	A
LDRC0927WE7EUD			40°	450 cd							
LDRC0940WE7EUD	4000 K	380 lm	40°	460 cd	9 W	50 W	220-240 V	> 80	40,000 h	E27	A

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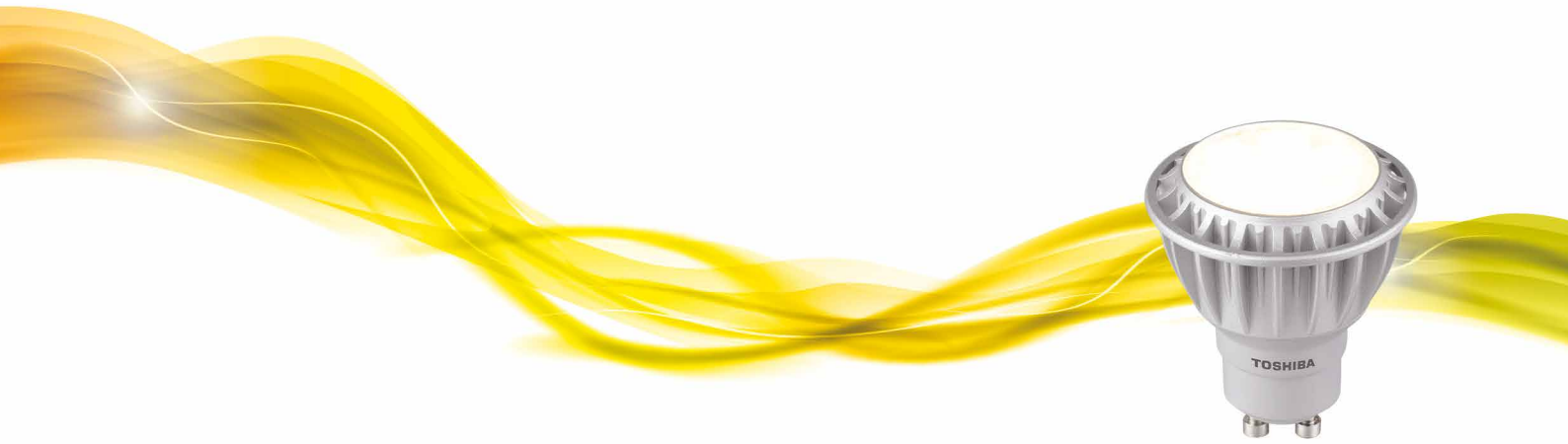

www.toshiba.eu/lighting

Specifications and design as of november 2014.
Specifications and design may change without further notice.

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LED Lighting

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